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## **DIGITAL STEREO MICROSCOPE & IMAGES 2000 SOFTWARE, 1.3 MP CAMERA MODEL WT-02100** See illustration on page 3.

### **THE MICROSCOPE**

A versatile stereoscope microscope that permits you to change from a widefield image at 10x magnification to close-up detail of 30x magnification, simply by rotating the objective turret. The extra rugged fixed-arm stand has both incidental and transmitted illumination. Built in high-resolution digital camera offers 1.3 megapixel live image resolution at 1240 x 1024. Supplied with Motic Images 2.0ML software, which allows the user to view, capture, label, manipulate, and measure images. All necessary cables included. The microscope is fully functional, independent of the camera application.

#### **OPTICAL SYSTEM**

- Paired widefield 10x eyepieces with diopter adjustment on left side. Interpupillary adjustment from 55mm to 75mm. Reticle holder/retainer accepts eyepiece reticle with 23mm O.D..
- Paired objectives are parfocalled, parcentered, achromatic.
- Magnification changed by rotating objective turret 90 degrees.
- Working distance: 75mm. Maximum specimen height: 35mm.

#### **ILLUMINATION**

- High intensity, built-in 12v 10 watt halogen, incidental illumination and 12v 10 watt tungsten, transmitted illumination.
- 12v DC power converter operates on 100v-240v 50Hz/60Hz current, without need of additional transformer.
- Separate base mounted switches control power on/off, top and bottom lights, permit use of top light only, bottom light only, top and bottom lights together.

#### **FOCUSING**

- Rack and pinion focusing has slip clutch to protect mechanism against over-turning, and special tension adjustment.

#### **STAGE**

- Supplied with two 80mm stage plates, one frosted glass plate and one plastic black/white reversible contrast plate.
- Two locked-on stage clips.

#### **FRAME**

- Rugged cast metal frame, grey enamel finish.
- Height: 310mm (12-1/4 in.) extends to 345mm (13-5/8) for larger objects.
- Base width: 115mm (4-1/2 in.), Base depth: 197mm (7-3/4 in.)
- Net wt. 2.5 kgs (5.5 lbs)

#### **ACCESSORIES**

- Calibration slides.
- "L" hex-key wrench.
- USB 2.0 PCI card with CD.

#### **PACKING**

- Molded styrofoam container with instruction brochure, vinyl dustcover and rubber eyeshields.
- Individual: Ship wt. 5 kgs (11 lbs), Dimensions 400x425x275mm (16x17x11 in.)
- Master carton pack 4 each: Ship wt. 17.7 kgs (39 lbs), Dimensions 800x375x425mm (32x15x17 in.)

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**MICROSCOPE PARTS & ACCESSORIES**

- 605-400 WF5x eyepieces, paired (note: permit only 60mm-84mm I.P.D.)
- 610-400 WF10x eyepieces, paired
- 615-400 WF15x eyepieces, paired
- 620-400 WF20x eyepieces, paired

**THE CAMERA**

This model permits hook-up to computer with supplied USB cable. Easy-to-use software for capturing microscope images, labeling, measuring, and storing.. Requires a PC with Windows XP or above. OSX

**MICROSCOPE WARRANTY**

- Lifetime limited warranty on microscope portion, excluding bulbs and cords.

**CAMERA WARRANTY:**

- 1-year limited warranty

**SOFTWARE WARRANTY:**

- 90-day limited warranty.

**SPECIFICATIONS – MICROSCOPE WT-02100**

(USB 2.0 port, digital signal for use with computer only)

	<b>USB 2.0 (digital signal)</b>
Image device	½ inch CMOS
Effective pixels	1240x1024
Framed resolution	1240x1024 pixels
White balance	Auto white balance
Electronic shutter	--
Power supply	5v self powered from computer USB

**System Requirements**

Operating System	Windows XP. OSX
Computer Requirements	CPU 1 GHz or above, RAM 512 MB or above, Video card: 128 MB or above. USB 2.0
Menu on monitor	Pull-down menus for opening, storing, printing, print preview, regulator for brightness, color, gamma correction. Icons for recording, image interpolation, switching between large and small image, image quality, automatic and manual white balance.
Image data	Automatic reference number, date, time
Interactive adjustment	Color, brightness, contrast
Import of stored data	Possible

**Environmental conditions**

Operating temperature	-50°F to +150°F
Storage temperature	-50°F to +175°F
Relative humidity	40% to 95%



MODEL WT-02100



MODEL WT-02100 shown in use (computer not included)

Subject to changes in material and design, equal to or exceeding those described above.